

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Taka-Aki Sato
Serial No.: 09/327,750
Filed : June 7, 1999
For : GENE ENCODING NADE, P75^{NTR}-ASSOCIATED CELL DEATH
EXECUTOR AND USES THEREOF

1185 Avenue of the Americas
New York, New York 10036
June 15, 2001

Assistant Commissioner for Patents
Washington, D.C. 20231

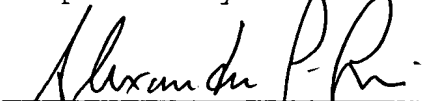
SIR:

**STATEMENT IN ACCORDANCE WITH 37 C.F.R.
\$1.821(f) IN CONNECTION WITH ABOVE-IDENTIFIED APPLICATION**

In accordance with 37 C.F.R. \$1.821(f), I hereby certify that the enclosed computer readable form (CRF) containing the nucleic acid and/or amino acid sequences required by 37 C.F.R. \$1.821(f) has the same information as the paper copy of the Sequence Listing submitted as **Exhibit B** with the Communication filed January 29, 2001 in connection with the subject application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under \$1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully submitted,



Alexander P. Errico
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New York, New York 10036
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SEQUENCE LISTING

<110> Sato, Taki-Aki

<120> GENE ENCODING NADE, P75NTR- ASSOCIATED
CELL DEATH EXECUTOR AND USES THEREOF

<130> 0575/59131/JPW/APE

<140> 09/327,750

<141> 1999-06-07

<160> 45

<170> PatentIn version 3.0

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 20 25 30

Ala Gly Asn Asn Asn Asn Asn Asn His Asn His Asn His Asn His His
 35 40 45

Arg Arg Gly Gln Ala Arg Arg Leu Ala Pro Asn Phe Arg Trp Ala Ile
 50 55 60
 Pro Asn Arg Gln Met Asn Asp Gly Leu Gly Gly Asp Gly Asp Asp Met
 65 70 75 80
 Glu Met Phe Met Glu Glu Met Arg Glu Ile Arg Arg Lys Leu Arg Glu
 85 90 95
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 100 105 110
 His His Asp His His Asp Glu Phe Cys Leu Met Pro
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 35 40 45
 Trp Ala Ile Pro Asn Arg Gln Ile Asn Asp Gly Met Gly Gly Asp Gly
 50 55 60
 Asp Asp Met Glu Ile Phe Met Glu Glu Met Arg Glu Ile Arg Arg Lys
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Arg Ile Leu Met Gly Glu Leu Ser Asn His His
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ccaatgtcca ccaggaaaac gaagagctgg agcagcccct gcagaatgga caggaacacc 240
gccctgtggg aggaggtgag ggccaccagc ctgctgcaaa caacaacaac aacaaccaca 300
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35         40         45
Pro Arg Gly Gly Arg Arg Arg Phe Arg Val Arg Gln Pro Ile Ala His
50         55         60
Tyr Arg Trp Asp Leu Met Gln Arg Val Gly Glu Pro Gln Gly Arg Met
65         70         75
Arg Glu Glu Asn Val Gln Arg Phe Gly Gly Asp Val Arg Gln Leu Met
85         90         95
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Lys Gly Glu Pro Leu Ala Leu Pro Leu Asn Val Ser Glu Tyr Cys Val
35         40         45
Pro Arg Gly Asn Arg Arg Arg Phe Arg Val Arg Gln Pro Ile Leu Gln
50         55         60
Tyr Arg Trp Asp Ile Met His Arg Leu Gly Glu Pro Gln Ala Arg Met
65         70         75         80

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Arg Glu Glu Asn Met Glu Arg Ile Gly Glu Glu Val Arg Gln Leu Met
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20 25 30

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35 40 45

Asn Arg Arg Arg Phe Pro Val Arg Gln Pro Ile Leu Gln Tyr Arg Trp
50 55 60

Asp Ile Met His Arg Leu Gly Glu Pro Gln Ala Arg Met Arg Glu Glu
65 70 75 80

Asn Met Glu Arg Ile Gly Glu Glu Val Arg Gln Leu Met Glu Lys Leu
85 90 95

Arg Glu Lys Gln Leu Ser His Ser Leu Arg Ala Val Ser Thr Asp Pro
100 105 110

Pro His His Asp His His Asp Glu Phe Cys Leu Met Pro
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<212> PRT
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35 40 45

Pro Arg Gly Gly Arg Arg Arg Phe Arg Val Arg Gln Pro Ile Ser His
50 55 60

Tyr Arg Trp Asp Leu Met His Arg Val Gly Glu Pro Gln Gly Arg Met
65 70 75 80

Arg Glu Glu Asn Val Gln Arg Phe Gly Glu Asp Met Arg Gln Leu Met
85 90 95

Glu Lys Leu Arg Glu Arg Gln Leu Ser His Ser Leu Arg Ala Val Ser
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Thr Asp Pro Pro His His Asp His His Asp Glu Phe Cys Leu Met Pro
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<212> PRT
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Asp Lys Lys Asn Lys Lys Gly Gly Lys Ala Ser Lys Gln Ser Glu Glu
20 25 30

Glu Ser His His Leu Glu Glu Val Glu Asn Lys Lys Pro Gly Gly Asn
35 40 45

Val Arg Arg Lys Val Arg Arg Leu Val Pro Asn Phe Leu Trp Ala Ile
50 55 60

Pro Asn Arg His Val Asp His Ser Glu Gly Gly Glu Glu Val Gly Arg
65 70 75 80

Phe Val Gly Gln Val Met Glu Ala Lys Arg His Ser Lys Glu Gln Gln
85 90 95

Met Arg Pro Tyr Thr Arg Phe Arg Thr Pro Glu Pro Asp Asn His Tyr
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Asp Phe Cys Leu Ile Pro
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Pro His His Leu Glu Glu Val Glu Asn Lys Lys Pro Gly Gly Asn Val
35 40 45

Arg Arg Lys Val Arg Arg Leu Val Pro Asn Phe Leu Trp Ala Ile Pro
50 55 60

Asn Arg His Val Asp Arg Asn Glu Gly Gly Glu Asp Val Gly Arg Phe
65 70 75 80

Val Val Gln Gly Thr Glu Val Lys Arg Lys Thr Thr Glu Gln Gln Val
85 90 95

Arg Pro Tyr Arg Arg Phe Arg Thr Pro Glu Pro Asp Asn His Tyr Asp
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Phe Cys Leu Ile Pro
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20 25 30

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35 40 45

Ala Ile Pro Asn Arg Gln Ile Asn Asp Gly Met Gly Gly Asp Gly Asp
50 55 60

Asp Met Glu Ile Phe Met Glu Glu Met Arg Glu Ile Arg Arg Lys Leu
65 70 75 80

Arg Glu Leu Gln Leu Arg Asn Cys Leu Arg Ile Leu Met Gly Glu Leu
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Ser Asn His His Asp His His Asp Glu Phe Cys Leu Met Pro
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20 25 30

Asn His His Asn His Ser His Asn His Asn His His Arg Arg Gly Gln
35 40 45

Ala Arg Arg Leu Ala Pro Asn Phe Arg Trp Ala Ile Arg Asn Arg Gln
50 55 60

Met Asn Asp Gly Leu Gly Gly Asp Gly Asp Asp Met Glu Met Phe Met
65 70 75 80

Glu Glu Met Arg Glu Ile Arg Arg Lys Leu Arg Glu Leu Gln Leu Arg
85 90 95

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His Asp Glu Phe Cys Leu Met Pro
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 20 25 30

Ala Ala Asn Asn Asn Asn Asn His Asn His Asn His His Arg Arg
 35 40 45

Gly Gln Ala Arg Arg Leu Ala Pro Asn Phe Arg Trp Ala Ile Pro Asn
 50 55 60

Arg Gln Met Asn Asp Gly Leu Gly Gly Asp Gly Asp Asp Met Glu Met
 65 70 75 80

Phe Met Glu Glu Met Arg Glu Ile Arg Arg Lys Leu Arg Glu Leu Gln
 85 90 95

Leu Arg Asn Cys Leu Arg Ile Leu Met Gly Glu Leu Ser Asn His His
 100 105 110

Asp His His Asp Glu Phe Cys Leu Met Pro
 115 120

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Gln Asn Glu Ala Pro Ala Leu Gly Gly Gly Glu Tyr Gln Glu Pro Gly
 20 25 30

Gly Asn Val Lys Gly Val Trp Ala Pro Pro Ala Pro Gly Phe Gly Glu
 35 40 45

Asp Val Pro Asn Arg Leu Val Asp Asn Ile Asp Met Ile Asp Gly Asp
 50 55 60

Gly Asp Asp Met Glu Arg Phe Met Glu Glu Met Arg Glu Leu Arg Arg
 65 70 75 80

Lys Ile Arg Glu Leu Gln Leu Arg Tyr Ser Leu Arg Ile Leu Ile Gly
 85 90 95

Asp Pro Pro His His Asp His His Asp Glu Phe Cys Leu Met Pro
 100 105 110

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<210> 41
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<210> 44
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 <213> PKI-alpha

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